



BIOLOGY

BOOKS - SARAS PUBLICATION

Economically Useful Plants and Entrepreneurial Botany

Exercise

1. Assertion: Vegetables are important part of healthy eating.

Reason: Vegetables are succulent structures of plants with pleasant aroma and flavours.

A. Assertion is correct Reason is wrong

B. Assertion is wrong Reason is correct

C. Both are correct and reason is the correct explanation for assertion

D. Both are correct and reason is not the correct explanation for assertion

Answer:



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2. Groundnut is native of

A. Phillippines

B. India

C. North America

D. Brazil

Answer:



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3. Statement A: Coffee contains caffeine.

Statement B: Drinking coffee enhances cancer.

A. A is correct, B is wrong

B. A and B - Both are correct

C. A is wrong, B is correct

D. A and B - Both are wrong.

Answer:



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4. *Tectona grandis* is coming under family

A. Lamiaceae

B. Fabaceae

C. Dipterocarpaceae

D. Ebenaceae

Answer:



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5. *Tamarindus indica* is indigenous to

A. Tropical African region

B. South India, Sri Lanka

C. South America, Greece

D. India alone

Answer:



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6. New world species cotton

A. *Gossypium arboreum*

B. *G. herbaceum*

C. Both a and b

D. *G. barbadense*

Answer:



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7. Assertion: Turmeric fights various kinds of cancer.

Reason: Curcumin is an anti-oxidant present in turmeric.

A. Assertion is correct Reason is wrong

B. Assertion is wrong Reason is correct

C. Both are correct

D. Both are wrong

Answer:



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8. Find out the correctly matched pair :

A. Rubber - *Shorea robusta*

B. Dye - *Lawsonia inermis*

C. Timber - *Cyperus paryrus*

D. Pulp - *Hevea brasiliensis*

Answer:



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9. Observe the following statements and pick out the right option from the following:

Statement I- Perfumes are manufactured from essential oils.

Statement II- Essential oils are formed at different parts of the plants.

- A. Statement I is correct
- B. Statement II is correct
- C. Both statements are correct
- D. Both statements are wrong

Answer:



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10. Observe the following statements and pick out the right option from the following:

Statement I: The drug sources of Siddha include plants, animal parts, ores and minerals.

Statement II: Minerals are used for preparing drugs with long shelf-life.

A. Statement I is correct

B. Statement II is correct

C. Both statements are correct

D. Both are statements are wrong

Answer:



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11. The active principle trans tetra

hydrocannabinol is present in

A. Opium

B. Curcuma

C. Marijuana

D. Andrographis

Answer:



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12. Which one of the following matches is correct?

A. Palmyra - Native of Brazil

B. Saccharum - Abundant in Kanyakumari

C. Stevioside - Natural sweetener

D. Palmyra sap - Fermented to give ethanol

Answer:



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13. The only cereal that has originated and domesticated from the New world.

A. *Oryza sativa*

B. Triticum aestivum

C. Triticum durum

D. Zea mays

Answer:



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14. The word 'cereal' is derived from

A. Cerale

B. Ceres

C. Cere

D. Cara

Answer:



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15. Which of the following denotes Roman goddess of agriculture?

A. Venus

B. Flora

C. Juno

D. Ceres

Answer:



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16. All cereal crops belong to the family.

A. Poaceae

B. Solanaceae

C. Malvaceae

D. Fabaceae

Answer:



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17. Which of the following comes next to wheat in terms of cultivation and production?

A. Millet

B. Back gram

C. Rice

D. Green gram

Answer:



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18. Botanical name of wheat.

A. *Triticum aestivum*

B. *Oryza sativa*

C. *Cajanus cajan*

D. *Vigna radiata*

Answer:



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19. Match the following and choose the correct option.

- i. *Eleusine coracana* - A. Black gram
- ii. *Vigna mungo* - B. Red gram
- iii. *Vigna radiata* - C. Finger millet
- iv. *Cajanus cajan* - D. Green gram

A. i-C, ii-A, iii-D, iv-B

B. i-A, ii-D, iii-B, iv-C

C. i-D, ii-B, iii-C, iv-A

D. i-B, ii-C, iii-A, iv-D

Answer:



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20. Identify the pseudo-cereal.

A. *Triticum aestivum*

B. *Chenopodium quinoa*

C. *Oryza sativa*

D. Sorghum vulgare

Answer:



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21. Finger millet was introduced from.

A. North America

B. South America

C. West Africa

D. East Africa

Answer:



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22. Finger millet (Ragi) is rich in_____

- A. Potassium
- B. Calcium
- C. Carbohydrate
- D. Fat

Answer:



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23. Sorghum is native to _____ continent.

A. South India

B. North India

C. Africa

D. America

Answer:



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24. The botanical name of foxtail millet is

- A. *Setaria italica*
- B. *Sorghum vulgare*
- C. *Vigna mungo*
- D. *Eleusine coracana*

Answer:



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25. The Latin word 'puls' means

- A. Thick oil
- B. Thick soup
- C. Thin oil
- D. Thin soup

Answer:



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26. Pulses are harvested from the family

A. Malvaceae

B. Poaceae

C. Fabaceae

D. Asteraceae

Answer:



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27. Black gram is native to

A. India

B. China

C. Africa

D. Australia

Answer:



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28. India contributes to 80% of global production of _____

A. 60

B. 70

C. 80

D. 90

Answer:



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29. Which of the following is native to Southern India?

A. Rice

B. Wheat

C. Kodo millet

D. Red gram

Answer:



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30. The local name of *Vigna radiata*

A. Green gram

B. Black gram

C. Red gram

D. White gram

Answer:



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31. The botanical name of lady's finger is

A. *Abelmoschus esculentus*

B. *Abelmoschus crinitus*

C. *Abelmoschus angulosus*

D. *Abelmoschus moschatus*

Answer:



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32. *Acalypha indica* belongs to the family.

A. Vitaceae

B. Rutaceae

C. Euphorbiaceae

D. Lamiaceae

Answer:



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33. National fruit of India _____ .

A. Holy basil - Lamiaceae

B. Vilvum - Rutaceae

C. Veldt grape - Vitaceae

D. Indian gooseberry - Poaceae

Answer:



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34. Which of the following is temperate fruit?

A. *Anacardium occidentale*

B. *Mangifera indica*

C. *Borassus flabellifer*

D. *Abelmoschus esculentus*

Answer:



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35. Identify the tropical fruit.

A. Mango

B. Banana

C. Apple

D. Jack fruit

Answer:



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36. Mango belongs to the family.

A. Mango

B. Apple

C. Pear

D. Plum

Answer:



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37. Which one of the following matches is incorrect?

A. Cashew - Native of Brazil

B. Turmeric - Queen of spices

C. Cardomom - king of spices

D. Jasmine - Belongs to the family Liliaceae

Answer:



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38. Which is our National fruit and State tree of Tamil Nadu?

- A. *Tectona grandis*
- B. *Hevea brasiliensis*
- C. *Borassus flabellifer*
- D. *Lawsonia inermis*

Answer:



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39. Match the following and select the correct option.

- i. *Ground nut* - A. *Capsicum annuum*
ii. *Sesame* - B. *Curcuma longa*
iii. *Turmeric* - C. *Sesamum indicum*
iv. *Chilli* - D. *Arachis hypogaea*

A. i-D, ii-C, iii-B, iv-A

B. i-C, ii-A, iii-D, iv-B

C. i-B, ii-C, iii-A, iv-D

D. i-D, ii-C, iii-A, iv-B

Answer:



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40. Nuts contain about.....% of oil.

A. 90

B. 80

C. 40

D. 45

Answer:



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41. *Sesamum indicum* has originated from

A. India

B. China

C. Africa

D. America

Answer:



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42.introduced coffee from Yemen to Mysore.

A. Dorsett

B. Baba Budan

C. Hippocrates

D. Erwin

Answer:



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43. The " Queen of Spices" _____.

A. Cardomom

B. Pepper

C. Ginger

D. Chilli

Answer:



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44. Given an account an king of spices and its uses.

A. Tumeric Chilli

B. Chilli

C. Tamarind

D. Pepper

Answer:



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45. Black Gold of India _____.

A. *Piper nigrum*

B. *Electtaria cardamomum*

C. *Curcuma longa*

D. *Capsicum annum*

Answer:



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46. Assertion: Spices are staple food.

Reason: Spices are easily digestible calories rich food.

A. Assertion is correct Reason is wrong

B. Assertion is wrong Reason is correct

C. Both are correct

D. Both are wrong

Answer:



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47. Consider the following statements and choose the right option.

Nuts are simple dry fruits composed of a hard shell and an edible kernel.

Spices are accessory foods mainly used for flavouring during food preparation.

A. i is correct and ii is wrong

B. both i and ii are correct

C. i is wrong and ii is correct

D. both i and ii are wrong

Answer:



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48. World 's largest wholesale market for turmeric.

A. Erode

B. Kanyakumari

C. Madurai

D. Namakkal

Answer:



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49. The substance which imparts yellow colour to turmeric ____.

A. Capsaicin

B. Curcumin

C. Opium

D. Aloin

Answer:



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50. Identify the less pungent variety.

A. *Capsicum frutescens*

B. *Capsicum pubescens*

C. *Capsicum annum*

D. *Capsicum baccatum*

Answer:



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51. The commercial name of long fruit species of chilli is

- A. Capsicum
- B. Cayenne pepper
- C. Capsaicin
- D. Curcumin

Answer:



52. Which is responsible for the pungency (or) spicy taste of chillies?

A. Curcumin

B. Capsaicin

C. Quinine

D. Pultis

Answer:



53. Pungency of chillies is measured by

A. CHU

B. BHU

C. DHU

D. SHU

Answer:



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54. World's hottest chilli is

- A. Cayenne pepper
- B. Nega viper
- C. Carolina reaper
- D. Capsicum annum

Answer:



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55. The SHU measure of Naga viper is

A. 2,20,000

B. 1349000

C. 30000

D. 50000

Answer:



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56. Tamarind belongs to the family

A. Fabaceae

B. Rutaceae

C. Vitaceae

D. Lamiaceae

Answer:



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57. Date of India is

A. Pepper

B. Sugarcane

C. Tamarind

D. Cashew

Answer:



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58. Match the following and select the right option:

- | | |
|-------------|--------------------|
| i) Cotton | - A. Oleaceae |
| ii) Teak | - B. Malvaceae |
| iii) Latex | - C. Lamiaceae |
| iv) Jasmine | - D. Euphorbiaceae |

A. i-C, ii-A, iii-D, iv-B

B. i-B, ii-C, iii-D, iv-A

C. i-D, ii-B, iii-A, iv-C

D. i-B, ii-A, iii-D, iv-C

Answer:



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59. Which is the world's most important non-food commercial crop?

write notes about this.

A. Teak

B. Jute

C. Latex

D. cotton

Answer:



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60. Which of the following is an important cultivated commercial crop in Gangetic plains of India?

A. Cotton

B. Jute

C. Teak

D. Jasmine

Answer:



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61. Binomial of teak is _____ .

A. *Tectona grandis*

B. Phllanthus amarcus

C. Andrographis paniulata

D. Aegle marmelos

Answer:



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62. Rubber vulcanization was invented by

A. Charles Darwin

B. Thyagarajan

C. Charles Goodyear

D. Sushruta

Answer:



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63. The term paper is derived from the word

A. Cyperus

B. Papyrus

C. Pyrus

D. Cyrus

Answer:



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64. Paper production was invented by

A. Chinese

B. Indians

C. Americans

D. Italians

Answer:



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65. Write the binomials and the family of the given plants.

(a) Henna (b) Lady's finger (c) Holy basil

A. *Ocimum sanctum*

B. *Phyllanthus emblica*

C. *Acalphya indica*

D. *Lawsonia inermis*

Answer:



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66. Name the principle colouring matter in Henna.

A. Saffrons

B. Indigo

C. Lacosone

D. Aloin

Answer:



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67. Match the following and select the right option:

i) Henna	- A. Cosmetic
ii) Aloe	- B. Spice
iii) Jute	- C. Dye
iv) Cardamom	- D. Fiber

A. i-C, ii-A, iii-D, iv-B

B. i-B, ii-D, iii-A, iv-C

C. i-C, ii-B, iii-A, iv-D

D. i-D, ii-C, iii-B, iv-A

Answer:



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68. A mixture of glucosides got from Aloe vera

_____.

A. Alkaloid

B. Saccharides

C. Aloin

D. Choline

Answer:



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69. Native of *Jasminum gradiflorum* is

A. North - East Himalayas

B. North - East Himalayas

C. South - East Himalayas

D. South - Western Himalayas

Answer:



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70. Which of the following chemical is found in Madurai Malli?

A. Ethanol

B. Terpeneol

C. Cardinol

D. Eugenol

Answer:



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71. Assertion: Siddha is principally based on the Pancabuta philosophy.

Reason: Siddha supposed to have originated from Brahma.

A. Assertion is correct Reason is wrong

B. Assertion is wrong Reason is correct

C. Both are correct and reason is the correct explanation for assertion

D. Both are correct and reason is not the correct explanation for assertion

Answer:



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72. Major chemical component found in keezhanelli.

A. Aloin

B. Eugenol

C. Phyllanthin

D. Emblicanin

Answer:



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73. Botanical name of Nilavembu

A. *Acalphya indica*

B. *Andrographis paniculata*

C. *Cissus quadrangularis*

D. *Ocimum sanctum*

Answer:



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74. Match the following and select the correct option.

- | | |
|------------------|----------------------|
| i) Cardamom | - A. King of spices |
| ii) Black pepper | - B. Dates of India |
| iii) Tamarind | - C. King of bitters |
| iv) Nilavembu | - D. Queen of spices |

A. i-C, ii-D, iii-A, iv-B

B. i-B, ii-C, iii-D, iv-A

C. i-D, ii-A, iii-B, iv-C

D. i-D, ii-C, iii-A, iv-B

Answer:

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75. Morphine is obtained from

- A. Opium
- B. Cannabis
- C. Ocimum
- D. Acalypha

Answer:

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76. The native of Marijuana is

A. India

B. China

C. Africa

D. Australia

Answer:



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77. Botanical name of Opium poppy is

- A. *Cannabis sativa*
- B. *Papaver somniferum*
- C. *Aegle marmelos*
- D. *Ocimum sanctum*

Answer:



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78. Which of the following is psychoactive drug?

A. Cannabis

B. Keezhaneli

C. Nilavembu

D. Aloe

Answer:



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79. Opium belongs to the family

A. Cannabiaceae

B. Rutaceae

C. Papaveraceae

D. Euphorbiaceae

Answer:



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Example

1. What is pseudo cereal? Give an example.



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2. Discuss which wood is better for making furniture.



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3. A person got irritation while applying chemical dye. What would be your suggestion

for alternative ?



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4. Name the humors that are responsible for the health of human beings.



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5. Give definitions for organic farming.



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6. Write the cosmetic uses of Aloe.



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7. Which is called as "The King of Bitters"?

Mention their medicinal importance.



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8. Differentiate bio-medicines and botanical medicines.



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9. Write the origin and area of cultivation of green gram and red gram.



[Watch Video Solution](#)

10. What are millets? What are its types ? Give example for each type.



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11. If a person drinks a cup of coffee daily, it will help him for this health. Is this correct? If it is correct, list out the benefits.



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12. Enumerate the uses of turmeric.



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13. Write the uses of nuts you have studied





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14. Give an account on the role of Jasminum ans in perfuming.



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15. Give an account of active principle and medicinal values of any two plants you have studied



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16. Write the economic importance of rice.



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17. What is TSM ? How does it classified and what does it focuses on ?



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18. Which TSM is widely practiced and culturally accepted in Tamil Nadu ? - explain



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19. Write about the psychoactive drug that is native to China?



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20. Write short notes on the drug obtained from poppy plants?



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21. What are the King and Queen of spices?

Explain about them their uses.



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22. How will you prepare an organic pesticide

for your home garden with the vegetables

available from your kitchen ?



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23. Which is "Goddess of agriculture"? Define it.



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24. List out the products of rice.



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25. What are pulses?



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26. List some of the pulses with their botanical name.



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27. What are vegetables?



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28. What are oil seeds?





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29. What are beverages?



[Watch Video Solution](#)

30. What are spices?



[Watch Video Solution](#)

31. Define condiments.





[Watch Video Solution](#)

32. What is fibre?



[Watch Video Solution](#)

33. What is latex?



[Watch Video Solution](#)

34. What is wood pulp?





[Watch Video Solution](#)

35. Write a note on dyes.



[Watch Video Solution](#)

36. Define aloin.



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37. Define opium.





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38. What is morphine ?



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39. Name the condition in which pressure develops in the eyes. What is the drug used to treat this disorder?



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40. What is organic pesticide?



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41. What is bio-pest repellent?



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42. What are cosmetics?



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43. What is diuretic? Give an example.



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44. Define ethnobiology.



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45. Define seasoning.



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46. Write the origin and area of cultivation of cashew nut.



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47. What are psychotropic drugs ?



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48. What is Non-institutionalized system of medicine.



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49. What are the advantages of jute?



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50. Write the prominence of cereals.



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51. Write the origin and area of cultivation of green gram and red gram.



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52. Write the uses of wheat.



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53. What are siru thaniyangal?



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54. Name two minor millets and write their uses.



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55. Write notes on 'Vigna mungo'.



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56. Write the botanical name, origin, cultivational area and uses of Black gram.



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57. Write the uses of *Vigna radiata*.



[Watch Video Solution](#)

58. National fruit of India _____ .



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59. Write the uses of mango.



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60. Write notes on okra.



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61. Define sugar.



Watch Video Solution

62. Enumerate the uses of State tree of Tamil Nadu.



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63. Differentiate between essential oil and fatty oil.



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64. Write notes on spices.



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65. Write notes on red pepper.



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66. Name the "dates of India" and write its origin and area of cultivation.



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67. Name the heartwood which turns golden yellow to darker colour when exposed to light.

Write its botanical name, family, origin and areas of cultivation.



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68. Describe the uses of *Hevea brasiliensis*.



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69. What do you know about entrepreneurial botany? Give few examples for entrepreneurship activities.



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70. Write about the documented system of medicine.



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71. Name any two oil seeds that form the source of fatty oils and write their uses.



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72. Which is the world's most important non-food commercial crop?
write notes about this.



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73. Name the cultivated species from which jute is derived. Write the uses of jute.



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74. Write notes on perfumes. Name some parts of plants which give essential oil.



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75. Name the floral perfume, that ranks next to the rose oil.



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76. Which science is sad to have originated from Brahma in TSM.



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77. Write the uses of coffee.



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78. Write the medical uses of Holy basil.



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79. Write any two uses of THC.



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80. What is the plan of third Agricultural Revolution?



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